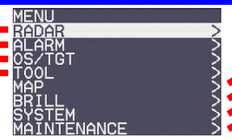
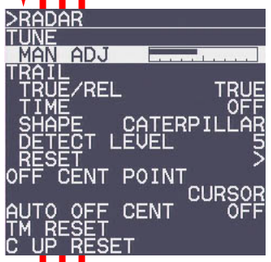
KODEN MDC-2900P series Quick Reference

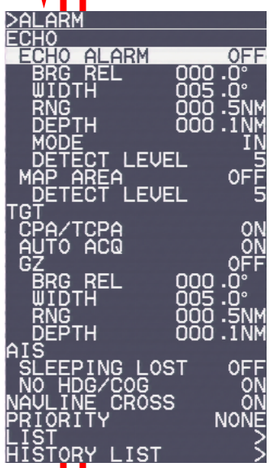
MENU TREE

Press [MENU] key of operation unit to access MENU.

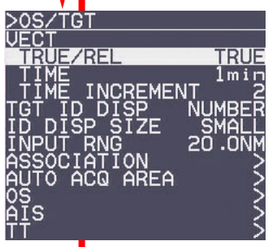




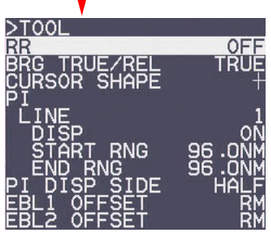
- TUNE MAN ADJ — Sets up manual tuning by bar.
- TRUE/REL — Selects TRUE or REL for TRAIL record and display.
- TIME — Selects time for TRAIL record and display. (OFF, PERM, 1min, 3min, 6min, 12min, 24min and 48min)
- SHAPE — Selects display mode of recorded TRAIL. (CATERPILLAR, TADPOLE, FIREBALL)
- DETECT LEVEL — Selects target echo level for TRAIL recording. (1 to 6)
- RESET — Erases recorded and displayed TRAIL.
- OFF CENT POINT — Sets up direction of off center. (CURSOR, OPPOSITE)
- AUTO OFF CENT — Shifts down reference point to give wider view in front of own ship.
- TM RESET — Manual reset of reference point to the stern position.
- C UP RESET — Reset and renew curse direction to the top.



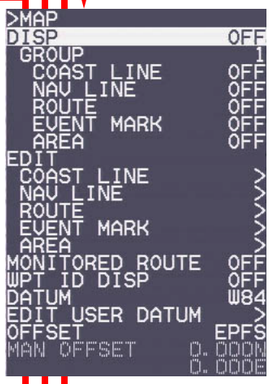
- ECHO ALARM — ECHO ALARM display and alarm zone setting. (OFF, EDIT, ON)
- BRG REL — Direction of alarm zone center.
- WIDTH — Bearing width of alarm zone.
- RNG — Distance of alarm zone start.
- DEPTH — Distance width of alarm zone.
- MODE — MODE provides alarm display when ECHO enters to or leaves from the setup area.
- DETECT LEVEL — Sets up target strength level to active ECHO ALARM. (1 to 7)
- MAP AREA — MAP AREA provides alarm display when ECHO enters to or leaves from the setup area.
- DETECT LEVEL — Sets up target strength level to active AREA ALARM. (1 to 7)
- CPA/TCPA — Selects ON or OFF for alarm of CPA/TCPA.
- AUTO ACQ — Selects ON or OFF for alarm of AUTO ACQ.
- GUARD ZONE — GUARD ZONE display and alarm zone setting. (OFF, EDIT, ON)
- BRG REL — Direction of alarm zone center.
- WIDTH — Bearing width of alarm zone.
- RNG — Distance of alarm zone start.
- DEPTH — Distance width of alarm zone.
- SLEEPING LOST — Alarm for loss of sleeping target.
- NO HDG/COG — Alarm for loss of HDG/COG active target.
- NAVLINE CROSS — Alarm for crossing NAVLINE.
- PRIORITY — Selects priority for alarm display. (NONE, RADAR, A
- LIST
- HISTORY LIST



- TRUE/REL — Selects TRUE or REL for TRAIL display.
- TIM — Vector length by time.
- TIME INCREMENT — (OFF, 30sec, 1min, 3min, 6min, 12min, 30min and 60min)
- TGT ID DISP — Selects dividing number for vector time. (OFF, 2, 3, 5 and 10)
- ID DISP SIZE — Selects ID display item. (OFF, NUMBER, LABEL, BOTH)
- INPUT RNG — Selects display size of TGT ID. (X-SMALL, SMALL, MIDDLE, LARGE)
- ASSOCIATIN — Selects operation zone for AIS and TT. (0.0 to 20.0NM)
- AUTO ACQ AREA — Selects association mode.
- OS — Selects and sets for AUTO ACQ AREA.
- AIS — Selects and sets for OS.
- TT — Selects and sets for AIS.
- Selects and sets for TT.

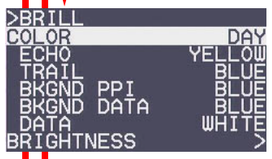


- RR — Selects ON or OFF for range rings.
- BRG TRUE/REL — Selects TRUE or REL for bearing.
- CURSOR SHAPE — Selects cursor shape. (┼, +, +, -:-, ·:·)
- LINE — Selects number of PI line. (1 to 7)
- DISP — Selects ON or OFF for PI line.
- START RNG — Selects start range for PI line. (-96.0 to 96.0NM)
- END RNG — Selects end range for PI line. (-96.0 to 96.0NM)
- PI DISP SIDE — Selects display mode for PI. (HALF, FULL)
- EBL1 OFFSET — Selects EBL1 display mode. (TM, RM)
- EBL2 OFFSET — Selects EBL2 display mode. (TM, RM)

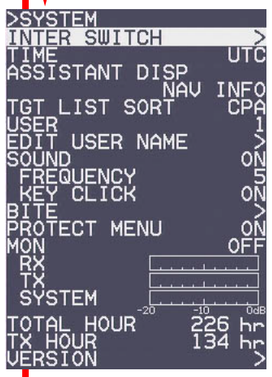


- DISP — Selects ON or OFF for entire MAP function.
- GROUP — Selects display group. (1 to 20)
- COAST LINE — Selects display block. (OFF, 1 to 20)
- NAV LINE — Selects display block. (OFF, 1 to 20)
- ROUTE — Selects display block. (OFF, 1 to 20)
- EVENT MARK — Selects display block. (OFF, 1 to 20)
- AREA — Selects display block. (OFF, 1 to 20)

- COAST LINE — Sets up COAST LINE.
- NAV LINE — Sets up NAV LINE.
- ROUTE — Sets up ROUTE.
- EVENT MARK — Sets up EVENT MARK.
- AREA — Sets up AREA.
- MONITORED ROUTE — Selects ON or OFF for route from external device.
- WPT ID DISP — Selects ON or OFF for way point of the route.
- DATUM — Selects datum. (W84, W72, S85, P90 and **) **: User datum
- EDIT USER DATUM — Sets up user datum name.
- OFFSET — Selects data input of position offset. (EPFS [DTM sentence], MAN)
- MAN OFFSET — Sets up manual position offset for LAT/LON.



- COLOR — Selects color for day or night.
- ECHO — Selects color for target echo. (YELLOW, GREEN)
- TRAIL — Selects color of trail. (BLUE, AMBER)
- BKGND PPI — Selects back ground color of PPI. (BLACK, BLUE)
- BKGND DATA — Selects color of back ground for data. (BLACK, BLUE)
- DATA — Selects color of data. (WHITE, GREY)
- BRIGHTNESS — Sets up brightness.



- INTER SWITCH — Sets up inter switch for 2 radar operation.
- TIME — Selects time. (UTC, LOCAL)
- ASSISTANT DISP — Selects ASSISTANT DISP in lower right of the screen. (NAV INFO, TGT POULINE, TGT LIST, AIS INFO)
- TGT LIST SORT — Selects sorting method for TGT LIST. (CPA, TCPA, RNG, TGT)
- USER — Selects operational configuration out of 4.
- EDIT USER NAME — Sets up user name.
- SOUND — Selects ON or OFF for alarm buzzer on the panel.
- FREQUENCY — Selects frequency of alarm buzzer sound. (1 to 7)
- KEY CLICK — Selects ON or OFF for key click sound.
- BITE — For diagnosis of system trouble.
- PROTECT MENU — Select ON or OFF for MAINTENANCE MENU. Password input is required to access.
- MON — Select ON or OFF for performance monitor for display.
- RX — Indicates received signal level.
- TX — Indicates transmitter signal level.
- SYSTEM — Indicates addition of RX and TX.
- TOTAL HOUR — Indicates total operation hour of the system.
- TX HOUR — Indicates total transmitting hour of the TX.
- VERSION — Indicates firmware versions.

In order to access to MAINTENANCE MENU, setting up by [SYSTEM] => [PROTECT MENU] and password is required.

- START UP — Performs default setting after installation.
- I / O — Sets up I/O configuration.
- OS PROFILE — Sets up own-ship profile and ANT location.
- SECTOR MUTE — Sets up no transmission for designated bearing sector.
- PRESET — Set up default adjustment for GAIN, SEA, RAIN, and etc.
- BACKUP — Stores set up value.
- MON — lects ON or OFF for performance monitor for display.
- RX — Indicates received signal level.
- TX — Indicates transmitter signal level.
- SYSTEM — Indicates addition of RX and TX.
- TUNE — Indicates tuning meter.
- CALIBRATION — Stores initial meter reading.
- TOTAL HOUR — Erases total operation hour of the system.
- TX HOUR — Erases total transmitting hour of the TX.
- PASSWORD — Enter the password to open MAINTENANCE MENU.

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KODEN MDC-2900P series Quick Reference SCREEN OPERATION

1 Display mode — Indicates and sets up display mode. ([HUP RM], [CUP RM], [CUP TM], [NUP RM] and [NUP TM])

2 Range rings — Indicates and sets up range ring spacing. (OFF, ON)

3 Range — Indicates and sets up range. (0.125, 0.25, 0.5, 0.75, 1.5, 3, 6, 12, 24, 48 and 96)

4 STAB — Indicates and sets up stabilization mode. (SEA, GND)

5 Antenna position — Indicates antenna position for operation with inter switch. (PORT, STBD, FWD, MID, AFT, FWD PORT, FWD STBD, MID PORT, MID STBD, AFT PORT, AFT STBD, UPPER and LOWER)

6 Off center — Indicates when off center is ON for broader forward outlook.

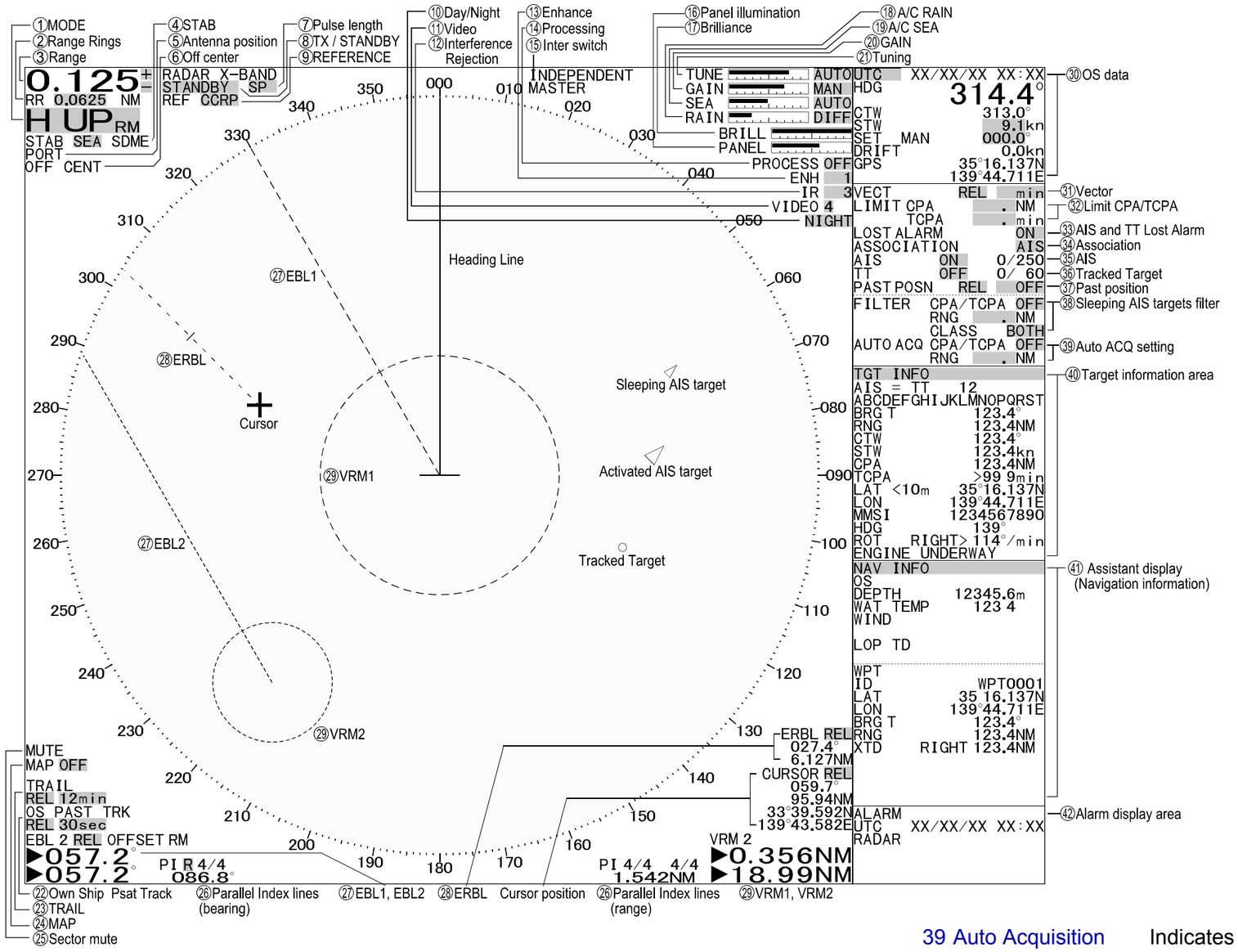
7 Pulse length — Indicates and sets up transmission pulse length. (SP, MP1, MP2, MP3, MP4, LP1 and LP2)

8 TX / STANDBY — Indicates and sets up transmission. (TRANSMIT, STANDBY)

9 Reference — Indicates and sets up the reference point which is used as reference point for range, bearing, relative course, relative speed, CPA and TCPA. (CCRP, ANT)

10 Day / Night — Indicates and sets up Day/Night. (DAY, NIGHT)

11 Video — Indicates and sets up video enhancement number for better discrimination in short range. (0, 1, 2, 3 and 4)



12 IR — Indicates and sets up interference rejection number to avoid interference from other radars. (OFF, 1, 2, 3, 4 and 5)

13 Enhance — Indicates and sets up enhancement number for ease of small target detection by expanding target echo. (OFF, 1, 2 and 3)

14 processing — Indicates and sets up correlation number for radar image correlation processing antenna rotation by rotation to discriminate target image from random image such as sea clutter. (OFF, 1, 2 and 3)

15 Inter switch — Indicates inter switch setting. (INDEPENDENT MASTER, INDEPENDENT SLAVE, DUAL MASTER, DUAL SLAVE, CROSS and MONITOR)

16 Panel illumination — Indicates panel illumination level of operation unit by bar.

17 Brilliance — Indicates illumination level of display unit by bar.

18 Ani-clutter RAIN — Indicates level of rain clutter adjustment by bar and setting. (DIFF, CFAR)

19 Anti-clutter SEA — Indicates level of sea clutter adjustment by bar and setting. (AUTO, MAN)

20 GAIN — Indicates level of gain adjustment by bar and setting. (AUTO[CFAR mode only], MAN)

21 Tuning — Indicates level of tuning adjustment by bar and setting. (AUTO, MAN)

22 Own ship track — Indicates and sets up for own ship track. (TRUE, REL), (OFF, 30sec, 1min, 3min, 6min, 12min, 30min and 60min)

23 TRAIL — Indicates and sets up for target echo. (TRUE, REL), (OFF, PERM, 1min, 3min, 6min, 12min, 24min and 48min)

24 MAP — Indicates for MAP function.(OFF, ON)

25 Sector mute — Indicates sector mute is ON.

26 Parallel Index lines — Indicates number of parallel index line selected, (line number/total number of display) and its bearing and range.

27 EBL — Indicates bearing of EBL1 (upper) and EBL2 (lower).

28 ERBL — Indicates bearing and distance from cursor position.

29 VRM — Indicates distance from reference point for VRM1 (upper) and VRM2 (lower).

30 OS data — set/drift and position.

31 Vector — Indicates and sets up vector. (TRUE, REL), (OFF, 30sec, 1min, 3min, 6min, 12min, 30min and 60min)

32 Limit CPA/TCPA — Indicates and sets up closest point of approach limit by distance and time for hazard prevention. (0.1 to 19.9 NM), (1.0 to 63.0 min)

33 AIS and TT Lost alarm — Indicates and sets up lost alarm for AIS and tracked target. (OFF, ON)

34 Association — Indicates and sets up association function to combine AIS and TT targets.(OFF, AIS, TT)

35 AIS — Indicates and sets up AIS data usage. (OFF, ON)

36 Target Tracking — Indicates and sets up target tracking function. (OFF, ON)

37 Past position — Indicates and sets up past position of AIS and TT targets. (TRUE, REL), (OFF, 30sec, 1min, 3min, 6min, 12min, 30min and 60min)

38 Sleeping AIS targets filter — Indicates and sets up sleeping target function to avoid congested display. Limitation can be set by LIMIT CPA/TCPA, RNG, and CLASS. (OFF, ON), (0 to 20.0 NM), (OFF, A, B, BOTH)

39 Auto Acquisition setting — Indicates and sets up auto acquisition to revived targets sleeping by FILTER. (OFF, ON), (0 to 20.0 NM)

40 Target information area — Indicates detail of the AIS and TT target with ⁚⁚ mark. Press [ENT] key by moving cursor to a desired target to select.

41 Assistant display — Indicates various information. (NAV INFO, TGT OUTLINE, TGT LIST, AIS INFO)

42 Alarm display area — Indicates alarm when activated.

Most set up is performed by moving cursor to desired item and pressing [ENT] key for selection.

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